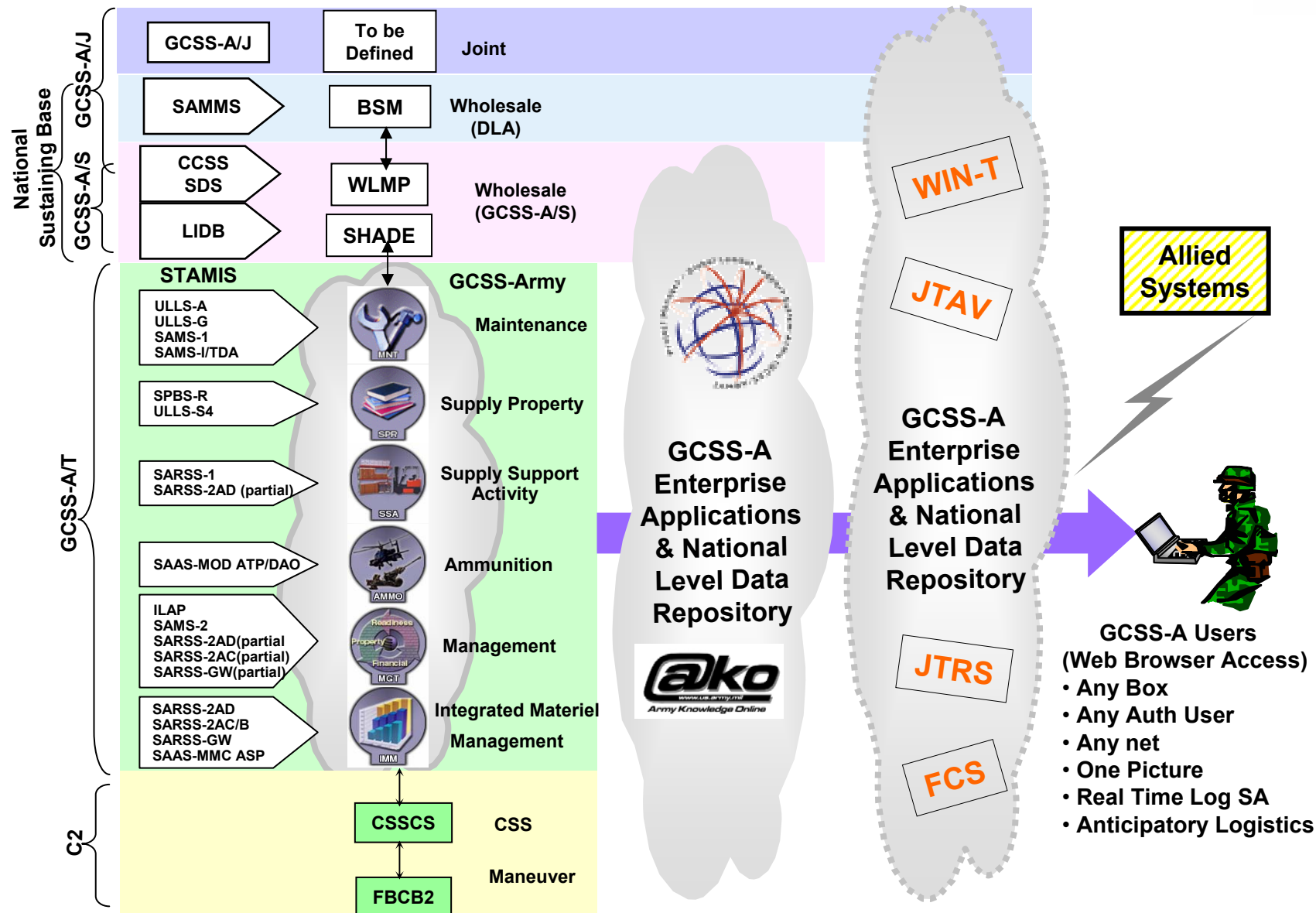




SPR and MNT Module Development

GCSS-A End State Vision



GCSS-A/T Introduction/Overview

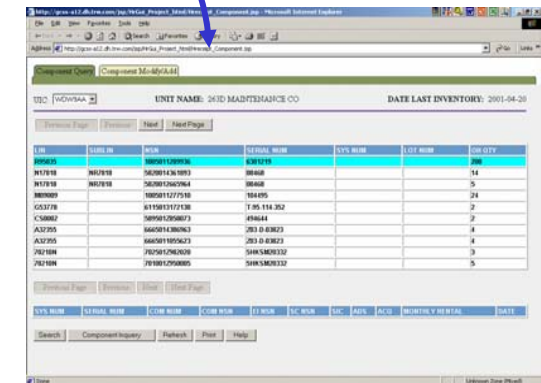


- GCSS-A/T is the business automation enabler for the Army, (i.e. Active Army, US Army Reserve, National Guard Bureau, Table of Distribution and Allowance (TDA) organizations, installations, government contractors, and Army National Guard), for enterprise systems across the combat service support (CSS) mission area.
- CSS functions are presently carried out through 17 legacy Standard Army Management Information Systems (STAMIS) which possess limited integration and upgrade potential as implemented.
- GCSS-A/T functionality will be implemented in a modern, open, extensible, web-accessible business system that integrates the Wholesale Logistics Modernization Program (WLMP), applicable ATCCS programs (such as CSSCS), and other ABCS programs (such as FBCB2) to provide an uninterrupted information flow from the tactical units through national level logistics.
- Thus GCSS-A/T will provide the Army a seamless, integrated automated information system at all force levels of combat service support.

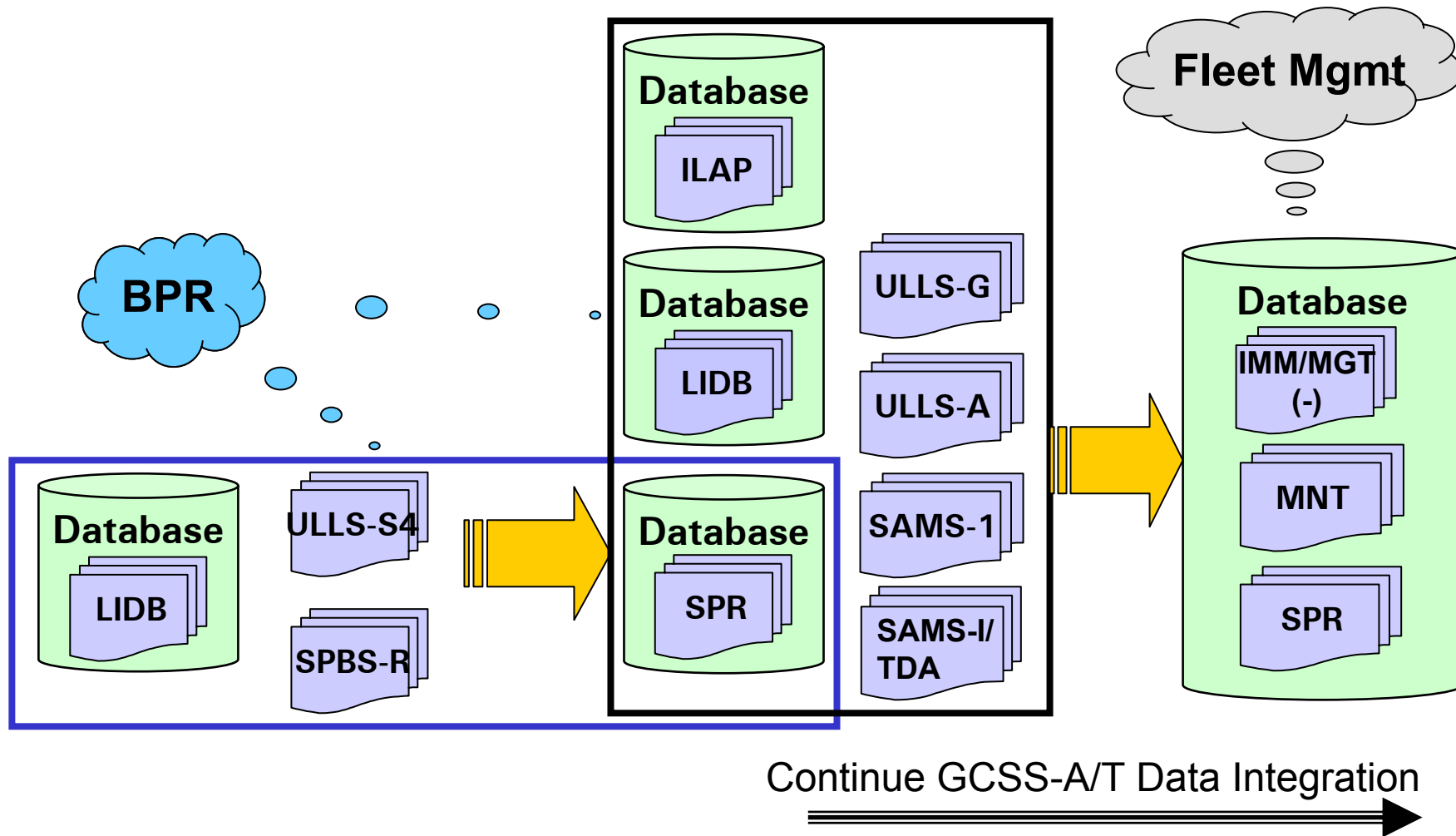
- **Network Management**
- **Security Infrastructure**
- **Directory Services**
- **Day-to-day Web Site Operations**



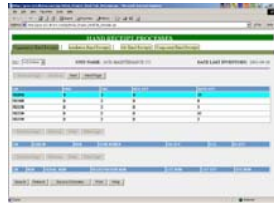
- **Secure single point of access.**
 - **Single sign on to more than 1500 Army web sites.**
- **Web access to applications and databases.**
 - **Strong user authentication and access control.**
- **Provides a dynamic approach to enterprise-wide, integrated knowledge management.**
 - **Lifetime e-mail address.**
 - **Searchable Army-wide directory.**



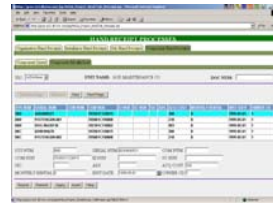
Evolutionary Data Model



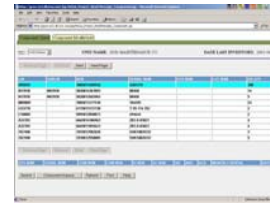
SPR Module Reuse



**SPR
Specific**



Common Views



**MNT
Specific**

Presentation:

- Common with no modification
- Common with enhancements
- Different views of shared data based on user/task needs

SPR Unique

**Common
Business Logic**

MNT Unique

Business Logic:

- Common with no modifications
- Common with enhancements
- Reuse to build MNT unique

Common Data

**Supply
Property Module**

**Maintenance
Module**

Database:

- Integrated with common data

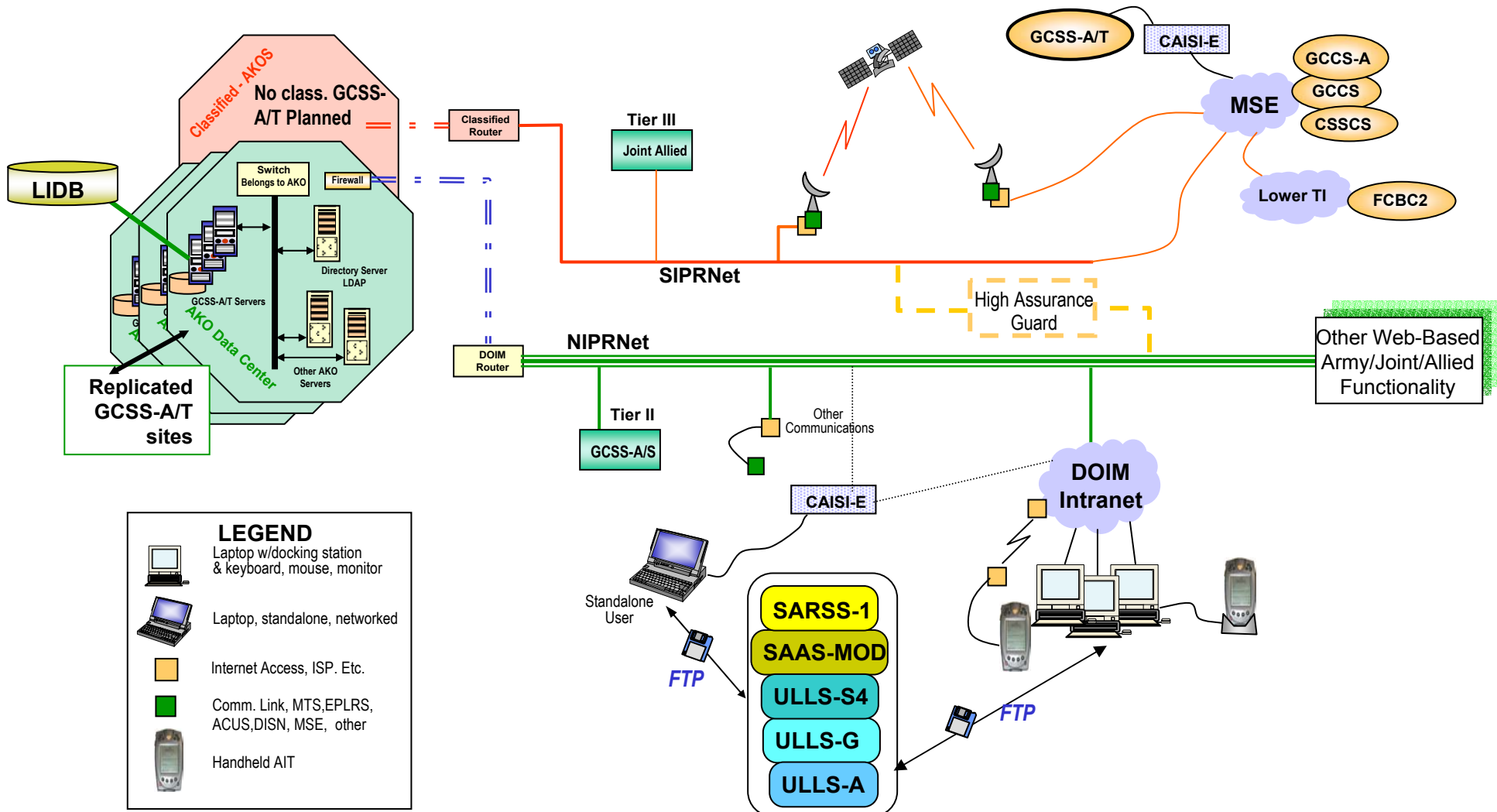
Reuse, but with minimal breakage to SPR!

Process to Maximize Reuse

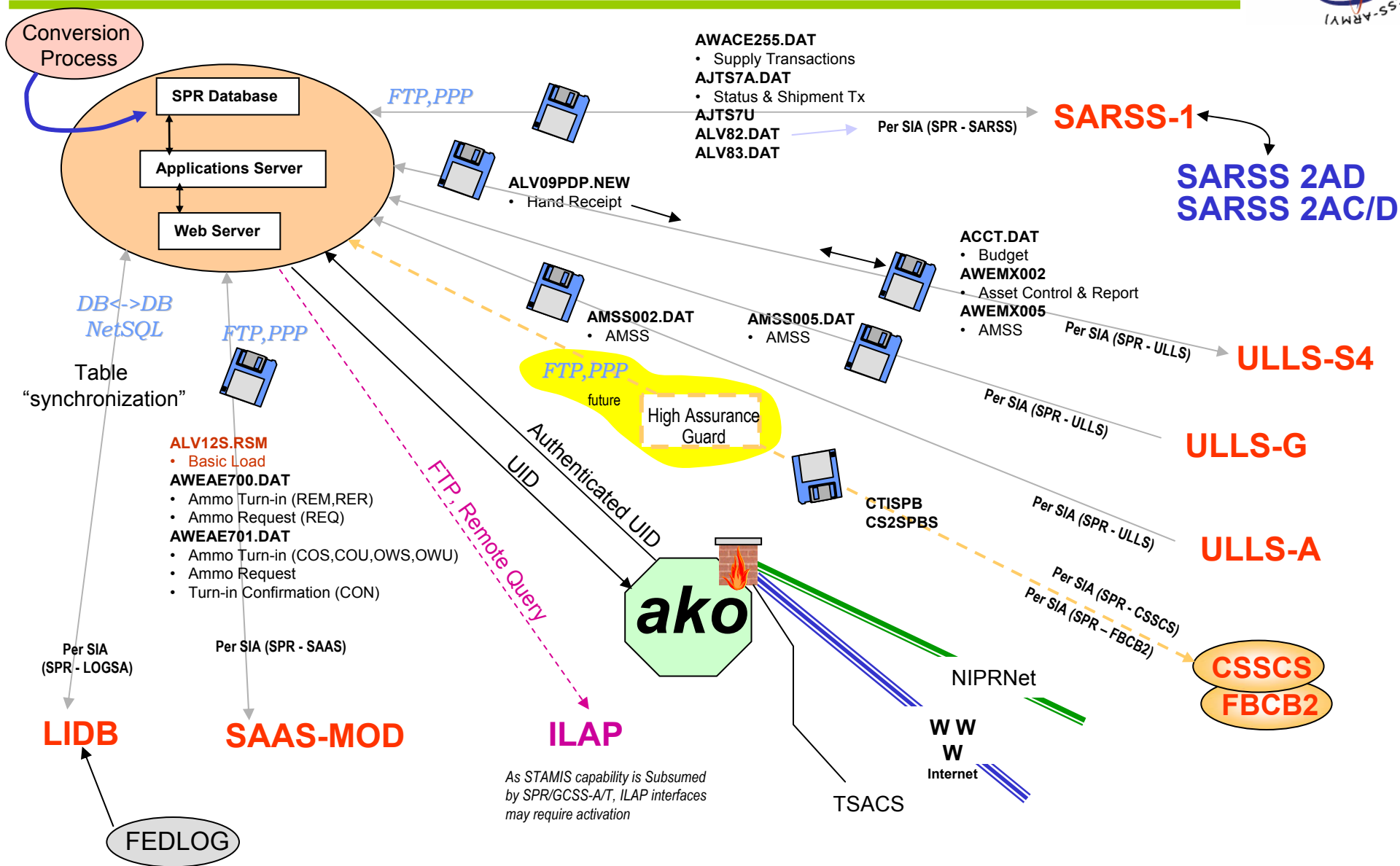


- Reuse of SPR Module and within MNT Module
- Presentation:
 - Reuse discussed in MNT BPR
 - Re-evaluated during design phase
- Business Logic: (classes, JavaBeans and EJBs)
 - Evaluated during design and implementation phases
 - Use of a project shared library
- Database:
 - Must be a single integrated database
 - Database Working Group (SPR and MNT personnel)
- Evaluated through peer reviews and design reviews

GCSS-A/T High-Level Architecture Description



Operational View – 3 (partial)

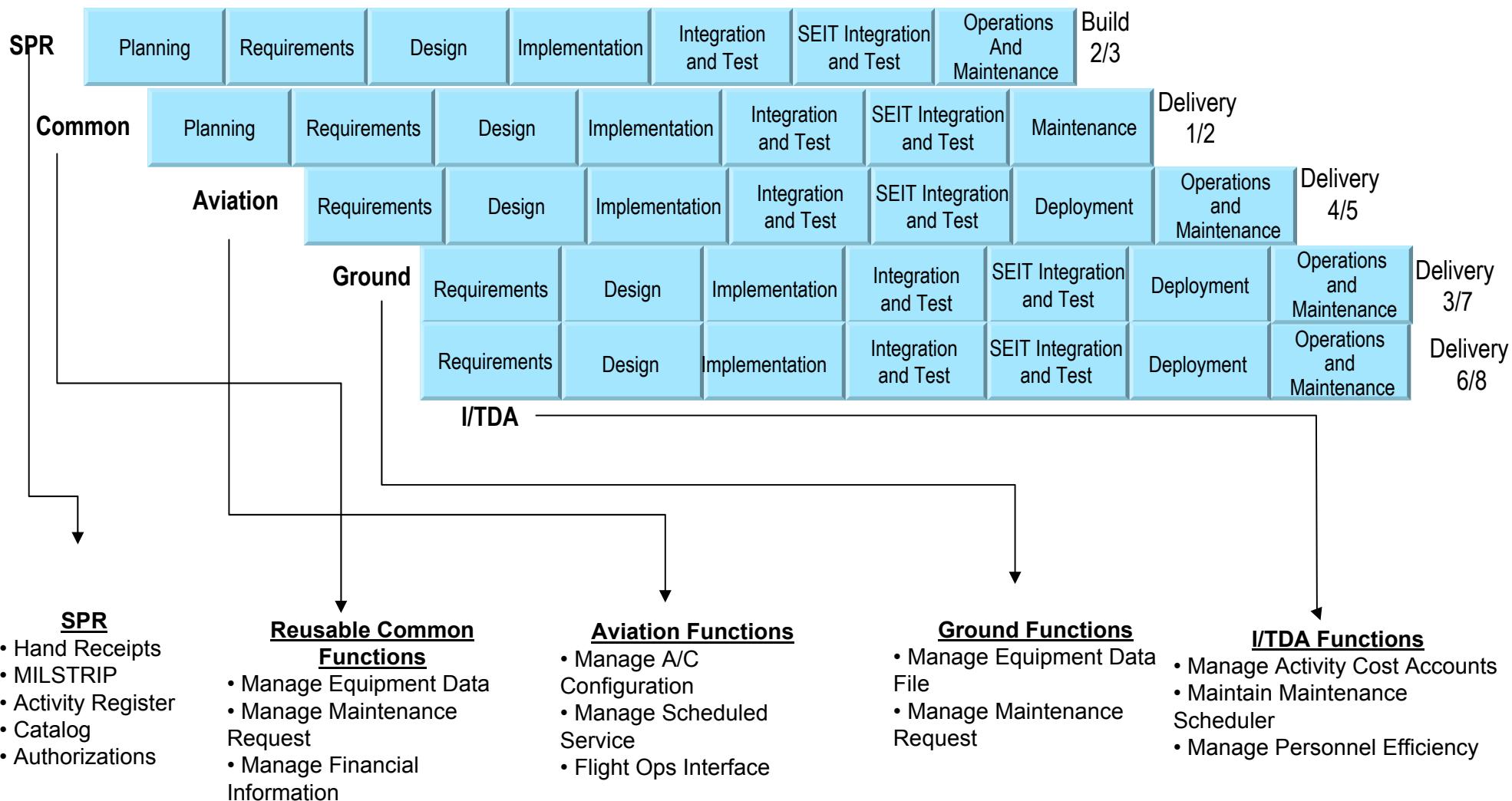


Workstation Configurations



- Two primary workstation configurations
 - Connected – limited/no GCSS-A/T applications loaded on the Workstation
 - Work accomplished via Network or Modem connection
 - Standalone – appropriate suite of GCSS-A/T applications and database loaded and operational on the Workstation
 - Work accomplished without external connections with exception of data synchronization with the Central System when communications available
 - Every time Workstation is activated, user is reminded to synchronize if communications are available
- Both Workstations (Desktop and Laptop) can be configured to operate as either Connected or Standalone
- Split-Based Operations supported via GCSS-A/T Derivative UIC creation and property transfer
 - Only One Team can update one UIC!

GCSS-A/T Module Development



What is the SPR Module?



- One of the six modules comprising the U.S. Army's web-based, revolutionary new business system - GCSS-Army/Tactical (A/T).
- Initiates the process of achieving the Joint Staff's directive (DRID 54) of moving all the services logistics systems to the web by 2004 for deployable units.
- The first of the web-based GCSS-Army modules. Replaces two of the Army's current STAMIS (SPBS-R and ULLS-S4).
- A redesign of both SPBS-R and ULLS-S4 in a web-based environment designed to operate over low-bandwidth communications.
- Provides the Army with a seamless, CFO-compliant, integrated, automated information system for both garrison and tactical environment property accountability.

SPR Module Capabilities



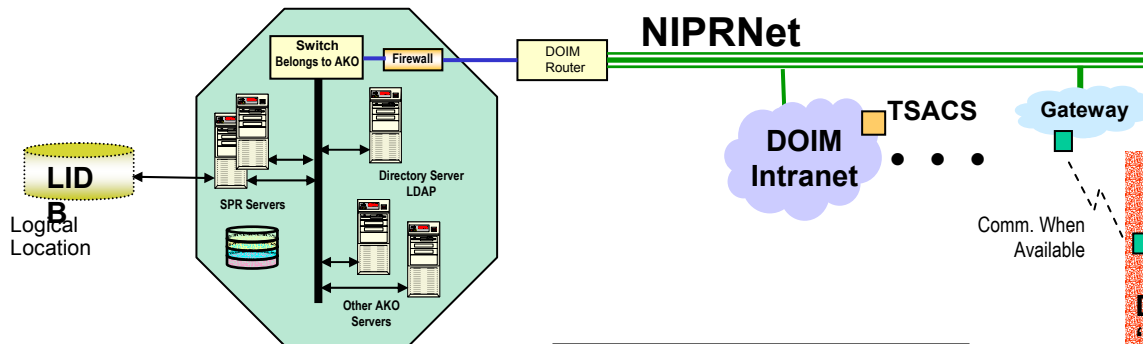
- Responsive and efficient means to maintain accountable records for the Army of One's property in the hands of TOE, TDA units, National Guard, and Reserves.
- Configurable to support: (1) garrison operations, (2) the tactical environment when communications are available, and (3) in a standalone configuration, providing tactical users with the capability to operate locally, until communications are established.
- Radical improvements in data quality, the simplification and automation of complex processes, a reduction in life cycle system cost, and a reduction in system administrator and database administrator tasks.

- **Lightweight Pentium Laptop**
- **Web Based**
- **State-of-the-art COTS**
- **Office Automation Tools**
- **On-line Software User's Manual and Help Function**
- **Standalone Operations**
- **Streamlined Reporting**
- **Flexible and Enhanced Asset Visibility**
- **Hand Receipts With High Quality Data Integrity**
- **Minimized Interfaces**
- **On-line Catalog, Component Catalogs, and LOGTAADS**
- **Multi-tasking Capability**
- **Simplified Task Force and Split Based Operations Management**
- **Any Box, Any Net, Any Where, With the Right Roles and Permissions**

SPR Module Connectivity



AKO Portal

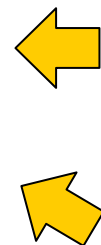
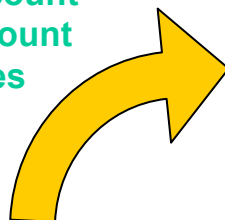
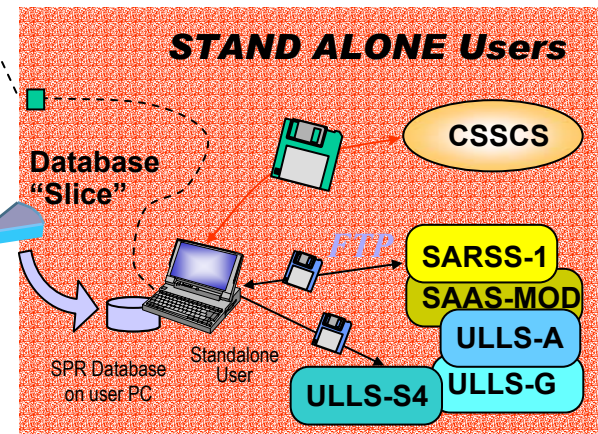


- Must have AKO account
- Must have SPR account with right User Roles and permissions

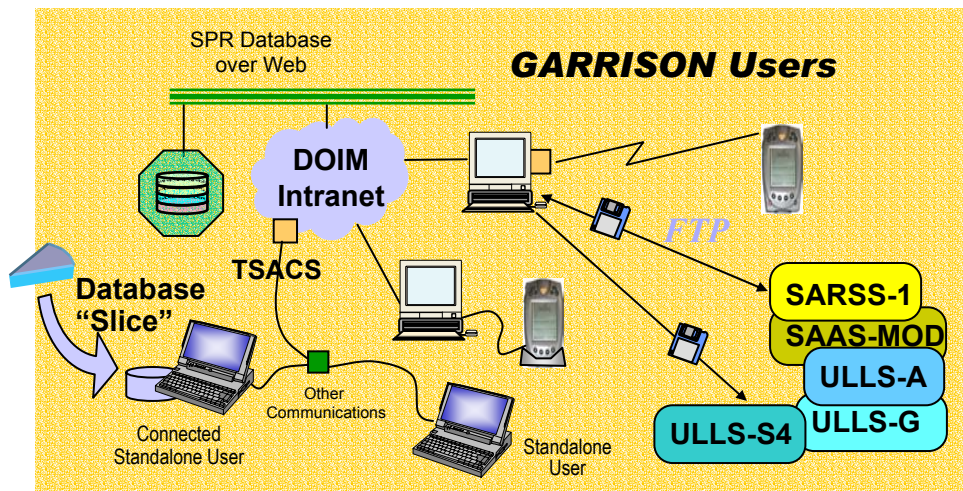
**1-800-SPR-HELP
Help Desk**

Stand alone Users

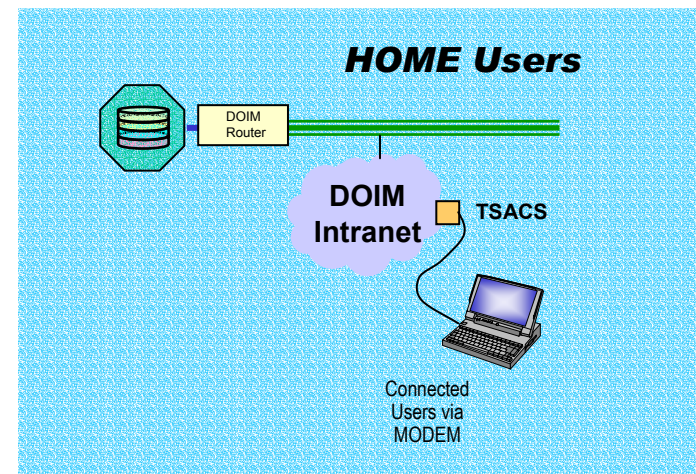
- Database
- SPR Application
- Web Server/Browser



GARRISON Users



HOME Users



Maintenance Module Overview



- One of the six modules comprising the U.S. Army's web-based, revolutionary new business system - GCSS-Army/Tactical (A/T).
- Supports achieving the Joint Staff's directive (DRID 54) of moving the service's logistics systems to the web by 2004 for deployable units.
- The Maintenance Module, is the second of the web-enabled GCSS-A/T modules, and replaces four of the Army's current STAMIS (ULLS-G, ULLS-A, SAMS-1, and SAMS-I/TDA).
- Provides users with a responsive and efficient means to sustain and manage maintenance operations, whether they be TOE and TDA units, National Guard, and Reserve Units, or installations
- Provides the Army with a seamless, CFO-compliant, integrated, automated information system for both garrison, and tactical environment.
- One of the most complex and challenging IT system developments in the US Army
- **Amalgamating four STAMIS into one system is not business as usual!**

Vision



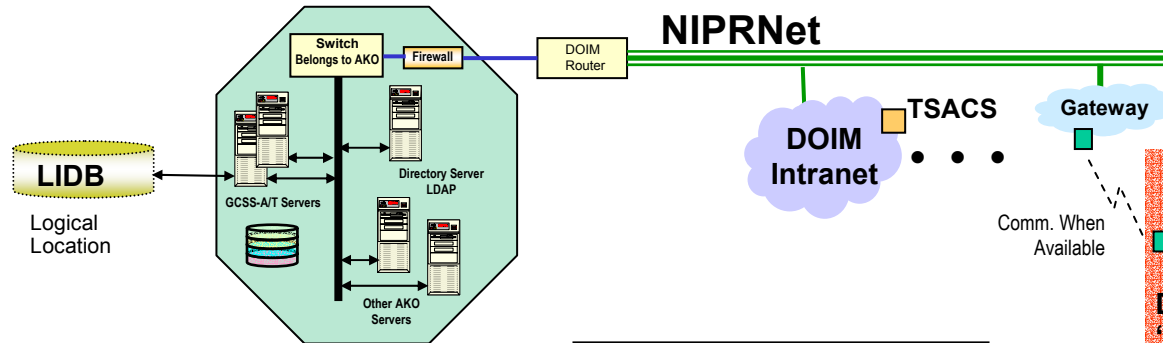
- **Vision:** Radically improve data quality, simplify and automate complex processes, reduce life cycle system cost, and minimize system administrator and database administrator tasks.
- **System:** Configurable to support: (1) garrison operations, (2) the tactical environment when communications are available, and (3) in a standalone configuration, providing tactical users with the capability to operate locally, until communications are established.
- **Goal:** Soldier oriented, maintenance process, and data-driven solution that is:
 - Easy to use
 - Simple to learn
 - Usable anywhere
 - Features
 - Web Based
 - State-of-the-art COTS
 - Office Automation Tools
 - On-line Software User's Manual and Help Function
 - Standalone Operations
 - Streamlined Reporting
 - Flexible and Enhanced Asset Visibility
 - Hand Receipts With High Quality Data Integrity
 - On-line Catalog, Component Catalogs, and LOGTAADS
 - Multi-tasking Capability
 - Simplified Task Force and Split Based Operations Management
 - Any Box, Any Net, Any Where, With the Right Roles and Permission



MNT Module Connectivity (Notional)



AKO Portal



- Must have AKO account
- Must have GCSS-A/T account with right User Roles and permissions

**1-800-SPR-HELP
Help Desk**

Standalone Users

- Database
- MNT/SPR Applications
- Web Server/Browser

STAND ALONE Users

Database
"Slice"

GCSS-A/T
Database on
user PC

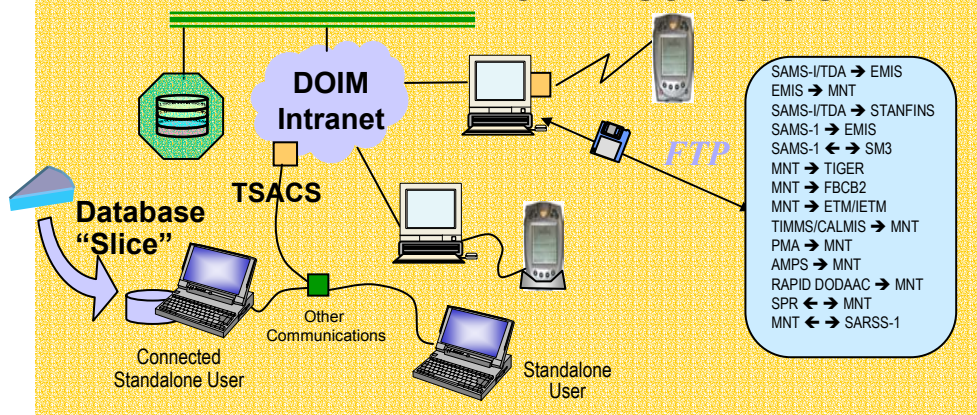
Standalone
User

FTP

SAMS-I/TDA → EMIS
EMIS → MNT
SAMS-I/TDA → STANFINS
SAMS-1 → EMIS
SAMS-1 ↔ SM3
MNT → TIGER
MNT → FBCB2
MNT → ETM/IETM
TIMMS/CALMIS → MNT
PMA → MNT
AMPS → MNT
RAPID DODAAC → MNT
SPR ↔ MNT
MNT ↔ SARSS-1

GCSS-A/T Database
over Web

GARRISON Users



HOME Users

